

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A disk cartridge, comprising:

a cartridge body including a lower shell having formed therein a first opening for write and/or read and an upper shell butt-joined to the lower shell;

a rotation wheel housed rotatably in the cartridge body and which houses a disk and has formed therein a second opening corresponding to the ~~first~~ first opening and through which the housed disk is exposed to outside, the rotation wheel including a control projection; and

a shutter mechanism provided between the lower shell and rotation wheel and including a pair of shutter plates which are pivoted in conjunction with the rotation of the rotation wheel and which uncovers the first and second openings when the latter coincide with each other, one of said pair of shutter plates including a cam groove configured to receive the control projection of the rotation wheel,

the rotation wheel having formed therein an engagement recess in which at least one of the shutter plates is engaged.

Claim 2 (Previously Presented): The disk cartridge according to claim 1, wherein the rotation wheel has formed therein a to-be-operated member in which a shutter releasing member of the disk recorder and/or player is engaged.

Claim 3 (Previously Presented): The disk cartridge according to claim 1, further comprising a forcing member engaged at one end thereof on the cartridge body while being engaged at the other end on the rotation wheel and which forces the rotation wheel in a direction in which the shutter mechanism will cover the second opening.

Claim 4 (New): The disk cartridge according to claim 1, wherein the cam groove includes a wide portion and a narrow portion.

Claim 5 (New): The disk cartridge according to claim 1, wherein the rotation wheel includes a guide groove for slidably receiving a guide projection on one of the pair of shutter plates.

Claim 6 (New): The disk cartridge according to claim 5, wherein a first shutter plate includes the guide projection and a second shutter plate includes the cam groove.

Claim 7 (New): The disk cartridge according to claim 1, wherein one of the pair of shutter plates includes a limiting projection configured to abut a non-writing portion of the disk when the shutter plates cover the first opening, said limiting projection configured to prevent contact of the shutter plates with a writing portion of the disk when the shutter plates cover the first opening.

Claim 8 (New): The disk cartridge according to claim 7, wherein the rotation wheel includes an undercut configured to slidably receive the limiting projection when the shutter plates expose the first opening.

Claim 9 (New): The disk cartridge according to claim 1, wherein one of the pair of shutter plates includes a recess configured to receive a projection formed on the lower shell.

Claim 10 (New): The disk cartridge according to claim 1, wherein the lower shell includes a recess configured to receive the control projection after the control projection is inserted in the cam groove.

Claim 11 (New): A disk cartridge, comprising:  
a cartridge body including a lower shell having formed therein a first opening for write and/or read and an upper shell butt-joined to the lower shell;  
rotation means for rotatably housing a disk, said rotation means having formed therein a second opening corresponding to the first opening and through which the housed disk is exposed to outside, the rotation means including a control projection; and  
first and second shutter means for uncovering the first and second openings when the latter coincide with each other, one of said first and second shutter means including a cam groove configured to receive the control projection of the rotation means,  
the rotation means having formed therein an engagement recess in which at least one of the first and second shutter means is engaged.

Claim 12 (New): The disk cartridge according to claim 11, wherein the rotation means has formed therein a to-be-operated member in which a shutter means releasing member of the disk recorder and/or player is engaged.

Claim 13 (New): The disk cartridge according to claim 11, further comprising a forcing member engaged at one end thereof on the cartridge body while being engaged at the other end on the rotation means and which forces the rotation means in a direction in which the first and second shutter means will cover the second opening.

Claim 14 (New): The disk cartridge according to claim 11, wherein the cam groove includes a wide portion and a narrow portion.

Claim 15 (New): The disk cartridge according to claim 11, wherein the rotation means includes a guide groove for slidably receiving a guide projection on one of the first and second shutter means.

Claim 16 (New): The disk cartridge according to claim 15, wherein the first shutter means includes the guide projection and the second shutter means includes the cam groove.

Claim 17 (New): The disk cartridge according to claim 11, wherein one of the first and second shutter means includes a limiting projection configured to abut a non-writing portion of the disk when the first and second shutter means cover the first opening, said limiting projection configured to prevent contact of the first and second shutter means with a writing portion of the disk when the first and second shutter means cover the first opening.

Claim 18 (New): The disk cartridge according to claim 17, wherein the rotation means includes an undercut configured to slidably receive the limiting projection when the first and second shutter means expose the first opening.

Claim 19 (New): The disk cartridge according to claim 11, wherein one of the first and second shutter means includes a recess configured to receive a projection formed on the lower shell.

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Claim 20 (New): The disk cartridge according to claim 11, wherein the lower shell includes a recess configured to receive the control projection after the control projection is inserted in the cam groove.